

## AEC16MUX 16 Channel Multiplexer

- ★ Suitable for any mA process inputs.
- ★ Supply Voltages 24Vdc  $\pm 2.5V$   
or 85 to 265Vac
- ★ Amelec Standard 2 year guarantee

### Inputs

Suitable for any dc mA inputs. Up to 16 inputs.  
Input impedance for Current: <150 ohms  
Typical Input: 4 - 20mA

### Input Selection

4 Bit address logic  
1 Bit Logic address for Enable (Low) / Disable (High)  
Logic Low = < 0.4V  
Logic High = > 4.5V to 10V max  
Input impedance : >10K ohms

### Analogue Output

Repeat of input or signal converted to any Vdc or mA dc.  
Voltage up to 12Vdc @ 22mA  
Current up to 22mA @ 12V

### Isolation

1000V (Inputs) / Output / Supply

### Application:

The AEC16MUX can be used to multiplex a number of analogue signals into PLCs and processor based data gathering. The AEC16MUX is a user friendly 16 channel multiplexer, taking sixteen inputs and giving one analogue output. The span and zero 15 turn potentiometers can be used to calibrate the output. The channel is selected by a 4 bit address and 1 bit enable / disable. By connecting address logic in parallel with other AEC16MUX and adding extra 1bit enable / disable line per unit, several units can be cascaded to increase channel capacity.

### Power Supply

24Vdc +/- 2.5V or Universal 85 to 265Vac  
Power Consumption: < 3VA

### Indicators

1 x Yellow LED for Power indication  
16 x Green leds for channel selected indication

### Performance

Accuracy / Linearity  $\pm 0.1\%$   
Response time to 0.1% of span: <100 $\mu$ S

### Environmental Conditions

Storage Temperature -40 to 70°C  
Operating Ambient -15 to 55°C  
Relative Humidity 5-95 % RH

### Housing

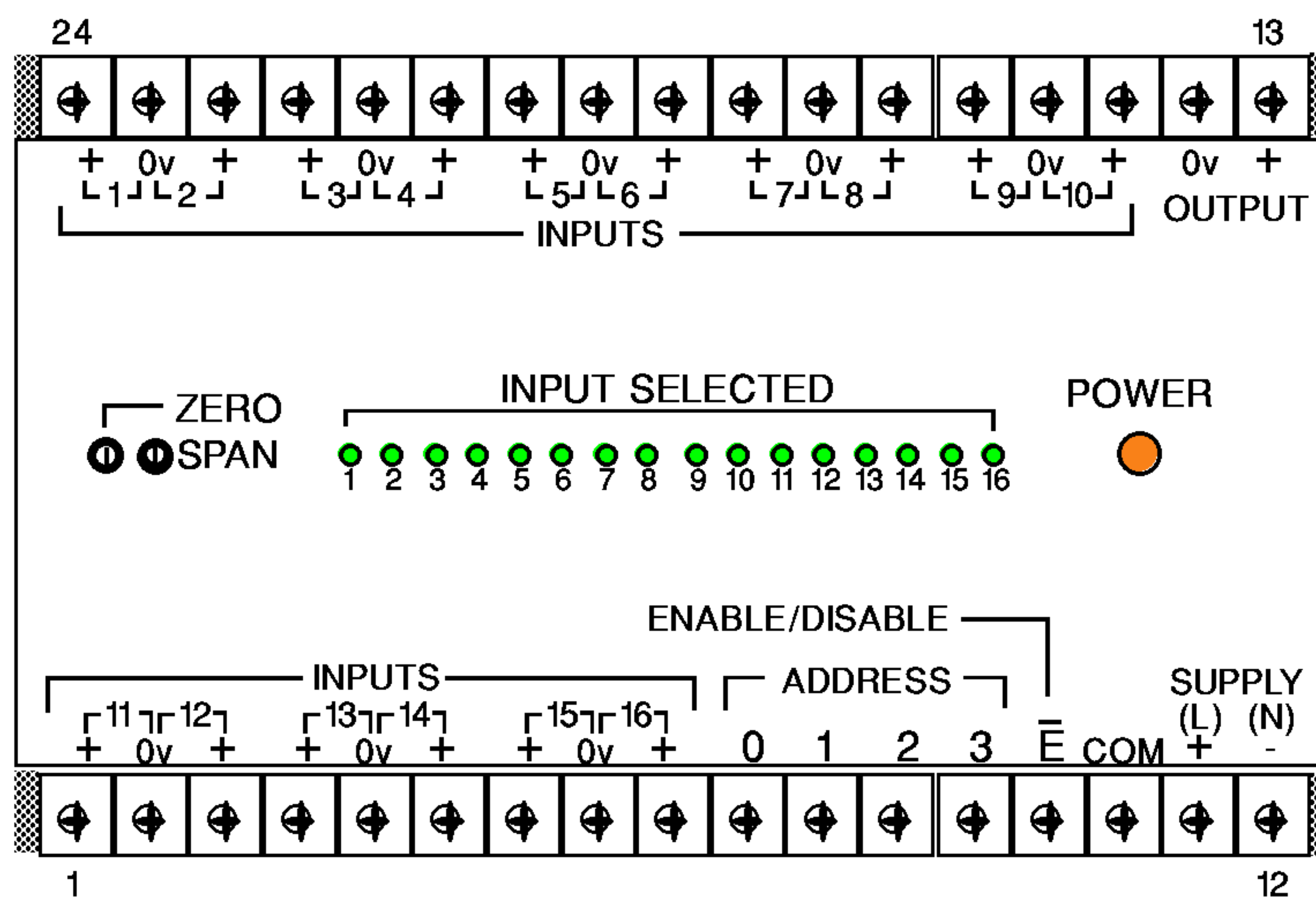
Din Rail mounting Plastic polycarbonate.

### Dimension

90w x 75h x 108d (mm)

### Weight

<0.5 Kg



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